

# PRODUCT INFORMATION PACKET

Model No: 056PNRA10103  
Catalog No: SY005  
2,1800,TENV,S56TC,3/230/460,PMAC  
SyMAX - Permanent Magnet AC Motors



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### Nameplate Specifications

Output HP	<b>2 Hp</b>	Output KW	<b>1.5 kW</b>
Frequency	<b>90 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>7.1/3.5 A</b>	Speed	<b>1800 rpm</b>
Service Factor	<b>1</b>	Phase	<b>3</b>
Efficiency	<b>89 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>F</b>	Design Code	<b>PM</b>
KVA Code	<b>N/A</b>	Frame	<b>S56C</b>
Enclosure	<b>Totally Enclosed Non Ventilated</b>	Overload Protector	<b>No</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6205</b>
Opp Drive End Bearing Size	<b>6203</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>Y</b>
IP Code	<b>43</b>		

### Technical Specifications

Electrical Type	<b>AC Permanent Magnet</b>	Starting Method	<b>Inverter Only</b>
Poles	<b>6</b>	Rotation	<b>Reversible</b>
Mounting	<b>Rigid base</b>	Motor Orientation	<b>Horizontal</b>
Drive End Bearing	<b>Ball</b>	Opp Drive End Bearing	<b>Ball</b>
Frame Material	<b>Rolled Steel</b>	Shaft Type	<b>NEMA 56</b>
Overall Length	<b>10.68 in</b>	Shaft Diameter	<b>0.625 in</b>
Shaft Extension	<b>2.06 in</b>	Assembly/Box Mounting	<b>F1 Only</b>
Outline Drawing	<b>614-0004-005</b>	Connection Diagram	<b>EE7308</b>

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EE7308

THREE PHASE  
DUAL VOLTAGE MOTOR



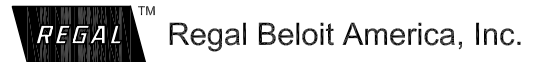
REF.  
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G  
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD  
CONNECTION

L1 — WHITE  
L2 — RED  
L3 — BLACK

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN RM 11/20/1990				
					DEC.	INCHES						
5	CHG TO REGAL LOGO	SL 09/10/2015	AB					CHK ML 11/21/1990				
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1			APPD SAS 04/24/2003				
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02		TITLE CONNECTION DIAGRAM	SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		3Ø - DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		MAT'L.	FMF				
					±7'30"			PREV				
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							DIST WP					





ENCODER:	NONE		
NONE	NONE		
NONE	NONE	PPR	
BRAKE:	NONE	NONE	
NONE	P/N	NONE	
NONE	NONE		
NONE	FT-LB	NONE	V NONE Hz

DATE: 06/28/2017 02:35:05 AM  
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